

This listing of claims will replace all prior versions, listings, of claims in the application:

Listing of Claims:

1. (currently amended) A circular saw blade comprising:

a generally circular blade portion;
a plurality of spaced apart teeth attached to the circular blade portion, each tooth having a width and extending outwardly and upwardly from the circular blade portion, having a leading edge, a leading plane and a dimple formed therein proximate to the leading edge, the dimple having a dimple leading edge, a dimple leading edge plane, a top upwardly curved portion and a surface that is shaped inwardly from the top curved portion forming a curved plane [having a radius of curvature that decreases as the distance from the leading edge increases] and the tooth having a positive rake defined by the dimple;
a curved cutting edge defined by the leading edge of the tooth and the dimple leading edge; and
a top cutting angle is defined by the tooth leading plane and the dimple leading edge plane, the top cutting angle varies along the width of the tooth increasing as it approaches the center and wherein the positive rake is provided by the top cutting angle formed by the dimple.

2. (cancelled)

3. (previously amended) A circular saw blade as claimed in claim 1 wherein the leading plane is inclined forwardly and wherein the positive rake is further provided by the forward inclination of the tooth.

4. (original) A circular saw blade as claimed in claim 3 wherein the positive rake

is in a range between about 20 and about 45 degrees.

5. (original) A circular saw blade as claimed in claim 4 wherein the positive rake is about 40 degrees.

6. (previously amended) A circular saw blade as claimed in claim 1 wherein each tooth defines a cutting radius and a tooth top and a relief angle is defined by the cutting radius and the tooth top and the relief angle is between about 5 and about 15 degrees.

7. (original) A circular saw blade as claimed in claim 6 wherein the relief angle is about 12 degrees.

8. (original) A circular saw blade as claimed in claim 6 wherein each tooth has a lateral side and the blade portion has a plane and a lateral clearance angle is defined by the tooth lateral side and a plane from the leading edge parallel to the plane of the blade portion and the lateral clearance angle is between about 1.5 and about 5 degrees.

9. (original) A circular saw blade as claimed in claim 8 wherein the lateral clearance angle is about 2.5 degrees.

10. (original) A circular saw blade as claimed in claim 1 wherein the positive rake is in a range between about 20 and about 45 degrees.

11. (original) A circular saw blade as claimed in claim 10 wherein the positive rake is about 40 degrees.

12. (original) A circular saw blade as claimed in claim 1 wherein each tooth

defines a cutting radius and a tooth top and a relief angle is defined by the cutting radius and the tooth top and the relief angle is between about 5 and about 15 degrees.

13. (original) A circular saw blade as claimed in claim 1 wherein each tooth has a lateral side and the blade portion has a plane and a lateral clearance angle is defined by the tooth lateral side and a plane from the leading edge parallel to the plane of the blade portion and the lateral clearance angle is between about 1.5 and about 5 degrees.

14. (withdrawn) A circular saw blade as claimed in claim 1 wherein the dimple is generally hemispherical shaped.

15. (withdrawn) A circular saw blade as claimed in claim 1 wherein the dimple is generally conical shaped.

16. (withdrawn) A circular saw blade as claimed in claim 1 wherein the dimple is generally hemispherical shaped with truncated sides.

17. (original) A circular saw blade as claimed in claim 1 wherein the dimple is generally shell shaped.

18. (cancelled)

19. (cancelled)